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<h1>TRANSMITTAL FORM</h1> <p><i>(to be used for all correspondence after initial filing)</i></p>		Application Number	10/800,111
		Filing Date	March 12, 2004
		First Named Inventor	Mark R. AYRES
		Art Unit	2878
		Examiner Name	K. Wyatt
Total Number of Pages in This Submission	10	Attorney Docket Number	495812005700

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (9 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none"> • Return Receipt Postcard
<div style="border: 1px solid black; padding: 5px; min-height: 100px;"> Remarks </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	MORRISON & FOERSTER LLP (Customer No.: 25226)		
Signature			
Printed name	Christopher B. Eide		
Date	April 19, 2007	Reg. No.	48,375

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(Georgina Matos)

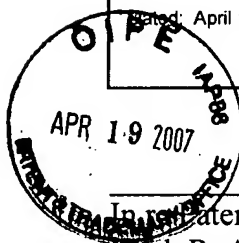
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(Georgina Mato)

Docket No.: 495812005700
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In response to Patent Application of:
Mark R. AYRES

Application No.: 10/800,111

Confirmation No.: 8922

Filed: March 12, 2004

Art Unit: 2878

For: METHODS FOR MEASURING OPTICAL
CHARACTERISTICS BY DIFFERENTIAL
DIFFRACTIVE SCANNING

Examiner: K. Wyatt

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This is in response to the non-final Office Action dated March 5, 2007 (Paper No. Mail Date 20070220), for which a response is due on June 5, 2007. Accordingly, this response is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

Remarks/Arguments begin on page 2 of this paper.